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TITLE: CLOCK FAULT PROCESSING SYSTEM

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ABSTRACT:

PURPOSE: To shorten the time required for investigating a fault cause by permitting clock fault detection circuits to detect clock abnormality and permitting a fault processing program to log a clock fault occurrence phenomenon and a clock fault occurrence part.

CONSTITUTION: When abnormality occurs in a clock supplied from a clock distribution circuit 5 to processors 1-3 through clock signal lines 111-113, 121-123 and 131-133, the clock fault detection circuits 61-63 detect it, and inform an interruption signal generation circuit 7 of it through signal lines 141-143. The processor where the clock fault has occurred is recognized and a fault processing control part 82 executes the designated fault processing program by permitting the interruption signal generation circuit

7 which has
received information to generate an interruption signal so as to interrupt it
into a maintenance diagnosis processor 8 and permitting an interruption
processing control part 81 to read a status read register 71. Thus a clock
fault processing can be executed in a short time.